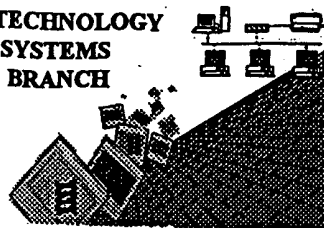


#9

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/714,409
Source: 1632
Date Processed by STIC: 3/14/02

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MAR 25 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

1632

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RECEIVED

MAR 25 2002

TECH CENTER 1600/2900

3 <110> APPLICANT: Johnson, Leisa
4 Fattaey, Ali
5 Hermiston, Terry
7 <120> TITLE OF INVENTION: An Oncolytic Adenovirus
9 <130> FILE REFERENCE: ONYX1033-US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/714,409
13 <141> CURRENT FILING DATE: 2000-11-14
15 <150> PRIOR APPLICATION NUMBER: US 60/165,638
17 <151> PRIOR FILING DATE: 1999-11-15
19 <160> NUMBER OF SEQ ID NOS: 25
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
25 <211> LENGTH: 35
27 <212> TYPE: DNA
29 <213> ORGANISM: XhoI
31 <400> SEQUENCE: 1
32 gctggtgccg tctcgagtgg tgttttttta atagg
35 <210> SEQ ID NO: 2
37 <211> LENGTH: 35
39 <212> TYPE: DNA
41 <213> ORGANISM: XhoI
43 <400> SEQUENCE: 2
44 cctattaaaa aaacaccact cgagacggca ccagc
47 <210> SEQ ID NO: 3
49 <211> LENGTH: 26
51 <212> TYPE: DNA
53 <213> ORGANISM: SpeI
55 <400> SEQUENCE: 3
56 gggcggagta actagtatgt gttggg
59 <210> SEQ ID NO: 4
61 <211> LENGTH: 26
63 <212> TYPE: DNA
65 <213> ORGANISM: SpeI
67 <400> SEQUENCE: 4
68 cccaacacat actagttact ccgccc
71 <210> SEQ ID NO: 5
73 <211> LENGTH: 37
75 <212> TYPE: DNA
77 <213> ORGANISM: SpeI-E2F1P
79 <400> SEQUENCE: 5
80 gtgagcacta gtcgcctggt accatccgga caaagcc
83 <210> SEQ ID NO: 6
85 <211> LENGTH: 34

invalid - can only be Artificial Sequence, Unknown,
or Genus/Species
See error summary sheet item 10

- some error

35

35

26

26

37

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

87 <212> TYPE: DNA
89 <213> ORGANISM: XhoI-E2F1
91 <400> SEQUENCE: 6
92 gtgagcctcg agctcgatcc cgctccgccc ccgg 34
95 <210> SEQ ID NO: 7
97 <211> LENGTH: 31
99 <212> TYPE: DNA
101 <213> ORGANISM: d1922/47
103 <400> SEQUENCE: 7
104 gctaggatcc gaagggattg acttactcac t 31
107 <210> SEQ ID NO: 8
109 <211> LENGTH: 31
111 <212> TYPE: DNA
113 <213> ORGANISM: d1922/47
115 <400> SEQUENCE: 8
116 gctagaattc ctcttcaccc tcgtcgtcac t 31
119 <210> SEQ ID NO: 9
121 <211> LENGTH: 20
123 <212> TYPE: DNA
125 <213> ORGANISM: E2F-1 Promoter in E4 Region → belongs in 22237
127 <400> SEQUENCE: 9
128 ggtgacgtag gttttagggc 20
131 <210> SEQ ID NO: 10
133 <211> LENGTH: 21
135 <212> TYPE: DNA
137 <213> ORGANISM: E2F-1 Promoter in E4 Region
139 <400> SEQUENCE: 10
140 gccataacag tcagccttac c 21
143 <210> SEQ ID NO: 11
145 <211> LENGTH: 35
147 <212> TYPE: DNA
149 <213> ORGANISM: BamHI-E2F1P Primer
151 <400> SEQUENCE: 11
152 gtgagcggat ccgctcgatc ccgctccgcc ccgg 35
155 <210> SEQ ID NO: 12
157 <211> LENGTH: 37
159 <212> TYPE: DNA
161 <213> ORGANISM: HindIII-E2F1P
163 <400> SEQUENCE: 12
164 gtgagcaagc ttgccttggt accatccgga caagcc 37
167 <210> SEQ ID NO: 13
169 <211> LENGTH: 31
171 <212> TYPE: DNA
173 <213> ORGANISM: EcoXC1 Primer present in pBR322
175 <400> SEQUENCE: 13
176 cgcggaattc ttttgattg aagccaatat g 31
179 <210> SEQ ID NO: 14
181 <211> LENGTH: 30
183 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

185 <213> ORGANISM: (ExoXCl) (Primer present in pBR322)
 187 <400> SEQUENCE: 14
 188 cagtcgccgt gtcggatccg ctccggaggag 30
 191 <210> SEQ ID NO: 15
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 195 <212> TYPE: DNA
 197 <213> ORGANISM: (Bsr-Bam) (Primer)
 199 <400> SEQUENCE: 15
 200 ctccctccgag cggatccgac accggggactg 30
 203 <210> SEQ ID NO: 16
 205 <211> LENGTH: 30
 207 <212> TYPE: DNA
 209 <213> ORGANISM: (E1A.Xba) (Primer)
 211 <400> SEQUENCE: 16
 212 gcgggaccac cgggtgtatc tcaggagggtg 30
 215 <210> SEQ ID NO: 17
 217 <211> LENGTH: 20
 219 <212> TYPE: DNA
 221 <213> ORGANISM: (E1A.Xba)
 223 <400> SEQUENCE: 17
 224 gcattctcta gacacagggtg 20
 227 <210> SEQ ID NO: 18
 229 <211> LENGTH: 25
 231 <212> TYPE: DNA
 233 <213> ORGANISM: (Ad5-left) (Primer)
 235 <400> SEQUENCE: 18
 236 gggcgtaacc gagtaagatt tggcc 25
 239 <210> SEQ ID NO: 19
 241 <211> LENGTH: 31
 243 <212> TYPE: DNA
 245 <213> ORGANISM: (E1Astart.NC)
 247 <400> SEQUENCE: 19
 248 ggcagataat atgtctcatt ttcagtcccg g 31
 251 <210> SEQ ID NO: 20
 253 <211> LENGTH: 31
 255 <212> TYPE: DNA
 257 <213> ORGANISM: (Af-7) (Primer)
 259 <400> SEQUENCE: 20
 260 gctaggatcc gaagggattg acttactcac t 31
 263 <210> SEQ ID NO: 21
 265 <211> LENGTH: 31
 267 <212> TYPE: DNA
 269 <213> ORGANISM: (Af-5) (Primer)
 271 <400> SEQUENCE: 21
 272 gctagaattc ctcttcatcc tcgtcgtcac t 31
 275 <210> SEQ ID NO: 22
 277 <211> LENGTH: 21
 279 <212> TYPE: DNA
 281 <213> ORGANISM: (E4.3NCb) (Primer)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

283 <400> SEQUENCE: 22
284 gccataacag tcagccttac c 21
287 <210> SEQ ID NO: 23
289 <211> LENGTH: 20
291 <212> TYPE: DNA
293 <213> ORGANISM: Ad5-3 Primer
295 <400> SEQUENCE: 23
296 ggtgacgtag gtttttagggc 20
299 <210> SEQ ID NO: 24
301 <211> LENGTH: 24
303 <212> TYPE: DNA
305 <213> ORGANISM: E3.C8 Primer
307 <400> SEQUENCE: 24
308 cctttatcca gtgcattgac tggg 24
311 <210> SEQ ID NO: 25
313 <211> LENGTH: 20
315 <212> TYPE: DNA
317 <213> ORGANISM: E3I Primer
319 <400> SEQUENCE: 25
320 ggagaaagtt tgcagccagg 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:05

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number